Title (en)

Ball Valve Actuation Mechanism

Title (de)

Kugelventil-Betätigungsmechanismus

Title (fr)

Mécanisme d'actionnement de soupape à bille

Publication

EP 2168611 A1 20100331 (EN)

Application

EP 09170847 A 20090921

Priority

US 24144208 A 20080930

Abstract (en)

A valve assembly (100) for use with a catheter assembly is provided. The valve assembly includes a valve housing (110) adapted for fluid engagement with a catheter assembly, the valve housing defining a longitudinal axis (x) and having an internal passageway (113) for flow of fluids relative to the catheter assembly, a valve member (120) at least partially disposed within the valve housing and defining a valve passage, the valve member adapted for movement within the valve housing between an open position wherein the valve passage is in general alignment with the internal passageway of the valve housing to permit flow of fluids through the valve housing, and a closed position to substantially occlude the internal passageway of the valve housing, and an actuation mechanism (130) mounted to the valve housing and operatively connected to the valve member, the actuation mechanism selectively movable in a general longitudinal direction to cause corresponding movement of the valve member between the open position and the closed position.

IPC 8 full level

A61M 1/00 (2006.01); **A61M 25/01** (2006.01); **A61M 39/22** (2006.01); **F16K 5/04** (2006.01); **F16K 5/06** (2006.01)

CPC (source: EP)

A61M 1/0043 (2013.01); **F16K 5/0647** (2013.01); A61M 39/223 (2013.01); A61M 2039/224 (2013.01); A61M 2039/226 (2013.01); A61M 2039/2473 (2013.01); A61M 2039/248 (2013.01)

Citation (applicant)

US 5269768 A 19931214 - CHEUNG VICTOR [US]

Citation (search report)

- [X] US 5269768 A 19931214 - CHEUNG VICTOR [US]
- [X] US 3191600 A 19650629 - EVERETT HAZEN F
- [X] WO 9106331 A1 19910516 - MECTRA LAB INC [US]
- [A] WO 9103217 A1 19910321 - SETON HEALTHCARE GROUP PLC [GB]
- [A] US 6162201 A 20001219 - COHEN KENNETH L [US], et al

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EP2809385A4; EP3257545A1; JP2015519180A; AU2013274581B2; US9775980B2; WO2014074231A1; WO2013188216A3; US9415151B2; US10543353B2; US8491541B2; US10350402B2; WO2018007675A1; WO2018075390A1; US10765794B2; US10765795B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2168611 A1 20100331; **EP 2168611 B1 20111102**; AT 531403 T 20111115; AU 2009222447 A1 20100415; AU 2009222447 B2 20131017; BR PI0903854 A2 20100720; CA 2679766 A1 20100330; CN 101713470 A 20100526; JP 2010082456 A 20100415; MX 2009010380 A 20100503; US 2010082016 A1 20100401; US 8491541 B2 20130723

DOCDB simple family (application)

EP 09170847 A 20090921; AT 09170847 T 20090921; AU 2009222447 A 20090928; BR PI0903854 A 20090930; CA 2679766 A 20090921; CN 200910204452 A 20090929; JP 2009225613 A 20090929; MX 2009010380 A 20090925; US 24144208 A 20080930